Claim 6 (currently amended): The compressor according to claim 1, characterized in that ~~the mounting element (40) comprises a first annular portion (41) coupling an adjacent end of one of the two spring means (10), and a second portion (42) coupling an adjacent end of the other spring means (10), said first and second portions (41,42) being axially spaced and affixed to each other and disposed on axially opposite sides of the resonant assembly, and~~ part of the resonant assembly [[being]] is disposed through said second portion ~~(42)~~.

Claim 7 (currently amended): The compressor according to claim 6, characterized in that the coupling element ~~(50)~~ is mounted to the second portion ~~(42)~~ of the mounting element ~~(40)~~.

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Claim ~~16~~ 8 (currently amended): The compressor according to claim 7 and in which the piston ~~(2)~~ presents a top portion and a tubular portion, characterized in that the coupling element ~~(50)~~ has part of its extension disposed within the body portion of the piston ~~(2)~~, having an end mounted to the top portion of the piston ~~(2)~~.

Claim 9 (currently amended): The compressor according to claim 8, characterized in that the ~~first and second portions (41,42) of the mounting element (40) are affixed to each other through~~ rigid elements ~~(43), which~~ are angularly spaced to each other ~~and mounted, with a radial gap, through the actuating means (3)~~.

Claim 10 (currently amended): The compressor according to claim 1, characterized in that the actuating means ~~(3)~~ carries an annular disc ~~(5)~~, against which is coupled the piston ~~(2)~~.